

### Amendment in the Claims

Claims 1-4 (canceled)

5. (currently amended): ~~The~~ A microsporidian polar tube protein according to Claim  
4, wherein SEQ ID No: 1 consists of consisting of the sequence between amino acids 23 and 395  
of SEQ ID No: 1.

Claims 6-32 (canceled)

33. (currently amended) A pharmaceutical composition which prevents infections caused  
by microsporidians of ~~genus-species~~ Encephalitozoon cuniculi comprising an active protein  
according to Claim 4 ~~5~~ or a fragment thereof and a pharmaceutically acceptable carrier.

34. (currently amended) The composition of Claim 33, wherein said composition forms  
antibodies against at least one a-polar tube selected from the group consisting of E. intestinalis, E.  
cuniculi and/or and E. hellem.

35. (currently amended) The composition of Claim 33, wherein ~~said antibodies~~ an  
antibody caused has a crossed immunological reactions with the polar tube protein of SEQ ID No:  
1.

36. (new) An immunogenic composition comprising a protein according to Claim 5, and  
a pharmaceutically acceptable carrier.